

2020 SPRING CALCULUS 0412: QUIZ 16 (JUNE 4, 2020)

NAME:

STUDENTS ID:

1. (5 points) Evaluate $\iiint_E 6xy \, dV$, where E is enclosed by the surfaces $z = x^2 - 1$, $z = 1 - x^2$, $y = 0$, and $y = 2$.

2. (5 points) Sketch the solid whose volume is given by $\int_0^2 \int_0^{2-y} \int_0^{4-y^2} dx dz dy$.